Appl. No. 09/986,764

Doc. Ref.: AP54

PATENT ABSTRACTS OF JAPAN

(11)Publication number:

04-127601

(43) Date of publication of application: 28.04.1992

(51)Int.CI.

H03D 7/00

(21)Application number : **02-247957**

(71)Applicant: VICTOR CO OF JAPAN LTD

(22)Date of filing:

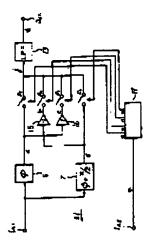
18.09.1990

(72)Inventor: ISHIGAKI YUKINOBU

(54) FREQUENCY CONVERSION CIRCUIT

(57)Abstract:

PURPOSE: To eliminate the need for provision of DC balance by applying sets of timing pulse to sets of switches, applying switching control to each switch so as to output a signal whose frequency is converted into a sum or a difference between an input signal frequency and a local oscillating signal frequency from a low pass filter. CONSTITUTION: A clock signal (e) is fed to a timing pulse generator 11 from an input terminal In2 and the timing pulse generator 11 generates an outputs timing pulses T1-T4 and they are fed to switches S1-S4 respectively, which are on/off-controlled. That is, when each of the timing pulses T1-T4 is at an H level, since the switches S1-S4 are closed, signals (j) are synthesized and the resulting signal is fed to an LPF (low pass filter) 13. A high frequency switching component is eliminated in the LPF 13 and a signal (k) is outputted from an output terminal Out. Thus, a problem of DC balance or linearity or the like is not almost caused.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

Searching PAJ Page 2 of 2

[Date of requesting appeal against examiner's decision of rejection]
[Date of extinction of right]

Copyright (C); 1998,2000 Japan Patent Office